

Please type a plus sign (+) inside this box →

09/869723

PTO/SB/D8A (08-00)

Approved through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Application Number

Filing Date

First Named Inventor

Group Art Unit

Examiner Name

Attorney Docket Number

492-PCT/USA

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,291,940		Kawasaki et al.	09/29/1981	
		4,330,170		Johnson et al.	05/18/1982	
		4,439,221		Smyth et al.	03/27/1984	
		4,449,781		Lightstone et al.	05/22/1984	
		4,586,784		Tremblay et al.	05/06/1986	
		4,763,977		Kawasaki et al.	08/16/1988	
		5,054,874		Hill et al.	10/08/1991	
		5,064,267		Rossberg	11/12/1991	
		5,121,453		Orazi et al.	06/09/1992	
		5,491,764		Hu et al.	02/13/1996	
		5,809,190		Chen	09/15/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	WO 98/13711		Bloom	04/02/1998		
		WO	WO 99/23518		Chen	05/14/1999		

Examiner
Signature

John A. Feltman

Date

Considered

9/16/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	1018 Rec'd PCT/PTO 03 JUL 2001
		Filing Date	
		First Named Inventor	
		Group Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	492-PCT/USA	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	✓	BURES et al.; Analyse d'un coupleur bidirectionnel à fibres optiques monomodes fusionnées; Applied Optics; June 15, 1983; Vol. 22, No. 12; Optical Society of America; Montreal, Quebec	
M	✓	LAWSON et al.; In-Line Single-Mode Wavelength Division Multiplexer/Demultiplexer; Electronics Letters; November 8, 1984; Vol. 20, No. 23; Gould Research Center; Rolling Meadows, U.S.A.	
	✓	LOVE et al.; Polarisation Modulation In Long Couplers; Electronics Letters; June 6, 1985; Vol. 21, No. 12; Department of Applied Mathematics; Canberra, Australia	
	✓	BILODEAU et al.; Compact, low-loss, fused biconical taper couplers: overcoupled operation and antisymmetric supermode cutoff; Optics Letters; August 1987; Vol. 12, No. 8; Optical Society of America; Ottawa, Canada	
		MCLANDRICH et al.; Polarization Independent Narrow Channel Wavelength Division Multiplexing Fiber Couplers for 1.55 µm; Journal Of Lightwave Technology; April 1991; Vol. 9, No. 4; San Diego, U.S.A.	
M	✓	SYMON et al.; Dense All-Fiber WDM's by Means of Mach-Zehnder Interferometer; SPIE; January 28 - February 2, 1996; Vol. 2695; pp. 114-122; Ecole Polytechnique de Montreal; San Jose, U.S.A.	

Examiner Signature	<i>J. A. Fortune</i>	Date Considered	9/16/03
--------------------	----------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.